

CLAIMS

What is claimed is:

1     **[0051]**     A removable housing cover adapted to be detachably  
2     connectable to a portable radio communication device with a plurality of  
3     operating characteristics, the removable housing cover comprising:

4             an identity means; and

5             the portable radio communication device comprising:

6             a sensor for sensing the identity means of the removable  
7     cover; and

8             a processor for controlling the operating characteristics of  
9     the device, the arrangement being such that in use the  
10    removable housing cover is mounted on the portable radio  
11    communication device and the sensor senses the identity means  
12    and outputs a sensed parameter of the identity means to the  
13    processor, wherein the processor is responsive to the sensed  
14    parameter so as to change selected ones of the operating  
15    characteristics of the portable radio communication device.

1     **[0052]**     2.     A removable housing cover according to claim 1, wherein  
2     the portable radio communication device is provided with a plurality of  
3     pre-defined and pre-stored operating characteristic configurations, and  
4     the processor is operable to change the operating characteristics of the  
5     portable radio communication device by selecting one of the pre-defined  
6     and pre-stored configurations in accordance with a corresponding pre-  
7     defined sensed parameter of the identity means.

1     **[0053]**     3.     A removable housing cover according to claim 2, wherein  
2     the identity means causes the processor to change the operating  
3     characteristics of the portable radio communication device by selecting  
4     one or more of the plurality of operating characteristics pre-defined and  
5     pre-stored on the portable radio communication device.

1 [0054] 4. A removable housing cover according to claim 1, wherein  
2 the identity means is provided with a plurality of pre-defined and pre-  
3 stored operating characteristic configurations for the portable radio  
4 communication device, and the sensor comprises a reader for reading  
5 said operating characteristics of said identity means, whereby the  
6 identity means causes the processor to change the operating  
7 characteristics of the portable radio communication device by selecting  
8 one or more of the plurality of said operating characteristic  
9 configurations.

1 [0055] 5. A removable housing cover according to claim 1, wherein  
2 the identity means allows the portable radio communication device to  
3 access a pre-determined server or network and to download therefrom  
4 data comprising operating characteristic configurations for the portable  
5 radio communication device.

1 [0056] 6. A removable housing cover according to claim 5, wherein  
2 the pre-determined server or network corresponds to an internet  
3 website.

1 [0057] 7. A removable housing cover according to claim 1, wherein  
2 the identity means comprises one or more mechanical pegs and the  
3 sensor comprises contacts operable to sense the presence or absence  
4 of pre-defined combinations of said one or more pegs.

1 [0058] 8. A removable housing cover according to claim 1, wherein  
2 the identity means comprises an electrical resistance means and the  
3 sensor comprises a potential divider operable to sense the electrical  
4 resistance means.

1 [0059] 9. A removable housing cover according to claim 1, wherein  
2 the identity means comprises a memory or processor chip and the  
3 sensor comprises a reader for reading said memory or processor chip.

1 [0060] 10. A removable housing cover according to claim 1, wherein  
2 the operating characteristics of the portable radio communication device  
3 comprise one or more of:

- 4 -ring tones and/or musical alerts;
- 5 -animations/screen savers;
- 6 -mode;
- 7 -bookmarks and/or browser preferences;
- 8 -phone memory preferences;
- 9 -games and/or game elements;
- 10 -UI screen colours and/or UI style;
- 11 -input method;
- 12 -audio set-up;
- 13 -default messages;
- 14 -display language;
- 15 -agents and/or agent set-up;
- 16 -security keys;
- 17 -push message filters and/or accounts;
- 18 -enabling of set-up and/or configuration settings;
- 19 -sensor weighting;
- 20 -outgoing call restrictions.

1 [0061] 11. A housing cover for a portable radio communication  
2 device with a sensor, the housing cover comprising:

an attaching means for removably attaching the cover to the portable radio communication device;

an identity means, such that, when the housing cover is mounted on the portable radio communication device, the identity means is coupled with the sensor of the portable radio communication, wherein the internal functionality of the portable radio communication device is dependent on the identity means.

**[0062]** 12. A housing cover according to claim 11, wherein the identity means has associated with it a Profiles setting indicative of a pre-defined operation state of the device, such that mounting the cover on a portable radio communications device changes the Profiles setting of the device in accordance with the Profile setting associated with the cover.

**[0063]** 13. A housing cover according to claim 12, wherein a selected removable cover having an associated Profiles setting is in use located on the portable radio communication device and controls the operating characteristics of the portable radio communication device so as to be set to the corresponding Profiles setting.

**[0064]** 14. A removable housing cover according to claim 1, wherein the removable cover carries indicia and graphics thereon, and the removable housing cover covers all or a part of the radio communication device.

**[0065]** 15. A portable radio communication device having a removable housing cover, the portable radio communication device comprising:

a sensor; and

a processor for controlling the operating characteristics of the device, and the removable housing cover comprising an identity means, the removable housing cover being configured to

8 be mounted on and attached to the portable radio communication  
9 device, in which arrangement the sensor of the portable radio  
10 communication device is operable to sense the identity means of  
11 the removable housing cover and provide an input to the  
12 processor of a sensed feature of the identity means, such that  
13 the processor is controlled to alter one or more of the operating  
14 characteristics in accordance with the sensed feature of the  
15 identity means.

1 **[0066]** 16. A portable radio communication device according to  
2 claim 15, wherein the portable radio communication device includes a  
3 plurality of the pre-defined operating characteristics each of said  
4 operating characteristics being associated with a corresponding Profiles  
5 setting, and wherein a plurality of removal covers are associated with  
6 respective Profiles Setting, such that installation of a removable cover  
7 on the portable radio communication device activates the corresponding  
8 Profiles setting.

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